



## **Review Papers**

### **Locally covariant quantum field theory and the spin–statistics connection**

*Christopher J. Fewster*

1630015

### **Recent results and perspectives on cosmology and fundamental physics from microwave surveys**

*Carlo Burigana, Elia Stefano Battistelli, Micol Benetti, Giovanni Cabass, Paolo De Bernardis, Sperello Di Serego Alighieri, Eleonora Di Valentino, Martina Gerbino, Elena Giusarma, Alessandro Gruppuso, Michele Liguori, Silvia Masi, Hans Ulrik Norgaard-Nielsen, Piero Rosati, Laura Salvati, Tiziana Trombetti, Patricio Vielva*

1630016

## **Research Papers**

### **Extended phase space and thermodynamic geometry of topological Born–Infeld-dilaton black holes**

*A. Sheykhi, S. Hajkhalili*

1650062

### **Extended phase space of AdS black holes in Einstein–Gauss–Bonnet gravity with a quadratic nonlinear electrodynamics**

*S. H. Hendi, S. Panahiyan, M. Momennia*

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### **Wormhole geometries in fourth-order conformal Weyl gravity**

*Gabriele U. Varieschi, Kellie L. Ault*

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### **Testing for uniformity of ultra-high energy cosmic ray arrival directions**

*A. A. Ivanov*

1650065

### **Inhomogeneous matter distribution and supernovae**

*Clément Stahl*

1650066

### **Connecting inflation with late cosmic acceleration by particle production**

*Rafael C. Nunes*

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**Robust predictions for the large-scale cosmological power deficit from primordial quantum nonequilibrium**

*Samuel Colin, Antony Valentini*

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**Supernova constraints on higher-dimensional cosmology with a phantom field**

*James Overduin, Nathan Prins, Joohan Lee*

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**Probing the post-newtonian physics of semi-conservative metric theories through secular tidal effects in satellite gradiometry missions**

*Li-E Qiang, Peng Xu*

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**The bouncing cosmology with  $F(R)$  gravity and its reconstructing**

*Ali R. Amani*

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**Regular charged black holes, quasilocal energy and energy conditions**

*Leonardo Balart, Francisco Peña*

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**Light bending in  $f(T)$  gravity**

*Matteo Luca Ruggiero*

1650073

**Viscous Chaplygin gas models as spherical top-hat collapsing fluids**

*Abdul Jawad, Ayesha Iqbal*

1650074

**Cosmological wormholes**

*A. A. Kirillov, E. P. Savelova*

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